

## Receiving Report

Date: 11/2/28 Batch No: 011 7018  
Supplier: JM4586 MERO Dart P/O: 13482

Packing Slip:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Release Note Attached:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Invoice:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Waybill Attached:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Receipt:	Cash	<input type="checkbox"/>	Cr	<input checked="" type="checkbox"/>	Shipment Complete:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
					QC6 Inspection	<u>M/R 11/03/01</u>				N/A	<input checked="" type="checkbox"/>
					Work Order					N/A	<input checked="" type="checkbox"/>

### Discrepancies

Discrepancies						
Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M323	B/row X/row	12	0	0	12	

Initials of receiver (if shipment OK) Level 12

Production/Admin:  
Date  
Received/Costing  
Initial

Location \_\_\_\_\_

## Page 1 of 1

All amounts are calculated in domestic currency.

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO13482	2		M2024T3S.063	sf	2/17/2011	2/28/2011	144.0000	\$4.27	0.0000	0	\$615.00
CAD	No		2024-T3 .063 sheet	sf	144.0000	DESJ02	-	\$615.00	0.0000	0	
			117018								
									Total Received Quantity:		144.0000
									Total Qty to Inspect (PO U/M):		0.0000
									Total Reject Quantity:		0.0000
									Total Receipt Value:		\$615.00
									Total Balance Due Quantity:		0.0000

## B I L L O F L A D I N G

No: PEC 698512

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 25Feb11 at 11:30 From PFW  
 Probill T151590  
 Via APEXMOTOR-PEC  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp TRINA VINCE (905-532-1365)  
 Sold To: ( 20115)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-301616- 1 Your PO # 13482

Part #

Rel # CHANTAL

ALUMINUM SHEET 2024 -T3

3 Pcs

MTR

.0640 Nom X 48.0000" X 144.0000"

131 LBS  
 144.00 SFT

TOTAL:

3

LBS  
 131

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
 \*\* REFERENCED ON IT \*\*

\*\*\*SHIP WITH S/O 301614\*\*\*

\*\*DO NOT CHARGE ENERGY SURCHARGE - BILLED  
 ON S/O 301614  
 TOTAL 1 SKID G.W. 381 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
 CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\* TEL. 800-926-2600 \*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

## B I L L O F L A D I N G

No: PEC 698512

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 9057389033

Ship Date 25Feb11 at 11:30 From PFW  
Probill T151590  
Via APEXMOTOR-PEC  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp TRINA VINCE (905-532-1365)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

## B I L L O F L A D I N G

\*\*\*PLEASE NOTE A \$15.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER AS OF DEC 8/08.\*\*\*

Page: 2 ..... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Aleris Aluminum Koblenz GmbH  
Carl-Spaeter Str.10 56070 Koblenz/Deutschland  
AMENDED TEST CERT



**Aleris**  
Europe

=====

**INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE**

=====

NO.: 0479527

SERIAL-NO.:

PAGE: 1 / 3

PURCHASER:

ALERIS ALUMINUM

US SALES INC.

475 N.MARTINGALE RD/S.400

SCHAUMBURG, IL 60173

CONSIGNEE:

CAL WEST EXPRESS CO. LTD

17923 S. SANTA FE AVE.

USA - RANCHO DOMINGUEZ, CA 90221

ORDER NO. PURCHASER:

US-AIRCR.DEPOT-PROG/

PART NO. PURCHASER:

ORDER NO. MANUFACTURER/ITEM: 81495 / 01

PRODUCT:

COIL

SPECIFICATION:

AMS4037+B209+QQ250/4

ALLOY/TEMPER:

BARE 2024-T3

DIMENSION:

0.063 x 48.00 x 0.00 INS

PCS.

GROSS KG

NET KG

PACK-NO

LOT-NO

3

4.795

121068

=====

*Handwritten signature*  
11/03/01



AMENDED TEST CERT

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0479527

LOT: 121068

PAGE: 2 / 3

RESULTS:

Mechanical properties:

Pl. No.	Spec. No.	Y.S.	U.T.S.	El.
		KSI	KSI	%
Min. LT:		42,0	63,0	15,0
Max. LT:				
1	A	45,0	66,7	20,0
2	A	45,0	66,0	18,3
3	A	45,4	66,7	18,7
4	A	45,0	66,9	20,5
5	A	45,3	66,1	17,4
6	A	45,7	65,8	19,8

Chemical composition: in % , remainder Al

Cast No.: 4-05-3130

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B
0,041	0,091	4,514	0,628	1,442	0,002	0,064	0,0256	0,0006
Zr	Pb	Ni	Sn	Be	Na	Li	V	H2 (*)
0,0014	0,0023	0,0051	0,0048	0,0000	0,0000	0,0000	0,0114	0,06
Al	Tl	Ti+Zr	Cu/Mg	Fe/Si				
		0,027	3,131					

(\*) = H2 in ml/100 g AL

Other tests:

Dimensional check: OK  
Surface control: OK

Bend test:

L-direction

LT-direction OK

ST-direction

*Handwritten signature*  
11/03/01



INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0479527

PAGE: 3 / 3

Remarks:  
-----

MATERIAL ALSO FULFILLS THE REQUIREMENTS OF ASTM B209-07, EXCEPT MARKINGS.

1. SUPPLEMENT: ASTM B209-07 ADDED

CERTIFIED THAT THE WHOLE OF THE SUPPLIES DETAILED HEREON HAVE BEEN MANUFACTURED, INSPECTED, TESTED AND UNLESS OTHERWISE STATED CONFORM IN ALL RESPECTS TO THE RELEVANT SPECIFICATIONS, DRAWINGS AND CONTRACT/ORDER. WE CONFIRM, THAT QUALITY MANAGEMENT SYSTEM OF ALERIS ALUMINUM KOBLENZ GMBH IS IN ACCORDANCE WITH DIN EN ISO 9001 AND EN 9100 IN THE RELEVANT VALID VERSION AND CERTIFIED BY AN ACCREDITED 3RD PARTY.

MADE IN THE FEDERAL REPUBLIC OF GERMANY

Enclosures:

WT-TQ-QS 07/08

Koblenz, the 30.07.10 SW

*P. Gardiner*  
Patrick Gardiner  
Quality assurance

Aleris Aluminum  
Koblenz GmbH

*enl*  
11/03/01

COPPER AND BRASS SALES

SOLD TO: 7455 S 20th Ave

DATE: 2/23/11 QTY: 3pc

CUSTOMER PO: PAC-228167

SHIPPER NO: 2401131779

BY: [Signature]



**COPPER AND BRASS SALES****MATERIAL TYPE****ALUMINIUM ALLOYS****PRODUCT DESIGNATION****2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7****"WARNING"**

SMALL CHIPS,FINE TURNINGS AND DUST MAY IGNITE READILY.EXPLOSION POTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR,CHIPS,FINES,DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE.KEEP AWAY FROM IGNITION SOURCE.USE EXPLOSION-PROOF VENTILATION.KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER.INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD),A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS.BERYLLIUM IS A CANCER HAZARD;OVER TIME CBD AND CANCER CAN BE FATAL,TARGET ORGAN IS PRIMARILY THE LUNG.INHALING LARGE AMOUNTS OF COPPER,MAGNESIUM OXIDE,MANGANESE OXIDE,AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS.CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN;AND SKIN,TEETH,AND HAIR DISCOLORATION.CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES,NOSE,AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS.INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER.NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF IN THE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN.(CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT.WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.  
READ THE ALUMINIUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

\* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

\* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

\* Aluminum, in solid form and as contained in finished products presents no special health risk.

\* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone 248-233-5600, or visit our web site @ [www.copperandbrass.com](http://www.copperandbrass.com).



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO13482

Purchase Order Date 2/11/11

PO Print Date 2/11/11

Page Number 1 of 2

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**  
C/L 1/10/21/11

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304S18GA	304/316 .050 Sheet	2/17/11 Yes	96.00 sf	Yours ppd	\$4.3750	\$420.00
		<b>Special Inst:</b> MATERIAL: AISI 304/316 SS SHEET ANNELED 2B FINISH AS PER MIL-S-5059 OR AMS 5513 (304) AMS 5524 (316) OR ASTM A240 OR ASME SA240					
2	M2024T3S.063	2024-T3 .063 sheet	2/17/11 Yes	144.00 sf	Yours ppd	\$4.2708	\$615.00
		<b>Special Inst:</b> MATERIAL: 2024-T3ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209					
3	M303B1.000X1.000	303 BAR 1" X 1"	2/17/11 Yes	12.00 f	Yours ppd	\$15.8875	\$190.65
		<b>Special Inst:</b> MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE					

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 1

Change Date: 2/11/11

**B I L L O F L A D I N G**  
 Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 9057389033

Ship To: ( 1)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 698512  
 Ship Date 25Feb11 at 11:30 From PFW  
 Probill T151590  
 Via APEXMOTOR-PEC  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp TRINA VINCE (905-532-1365)  
 Sold To: ( 20115)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

**B I L L O F L A D I N G**

**MTR**

1) Our Order PEC-301616- 1 Your PO # 13482

Part #

ALUMINUM SHEET 2024 -T3

.0640 Nom X 48.0000" X 144.0000"

Rel # CHANTAL

3 Pcs

131 LBS

144.00 SFT

TOTAL:

3

LBS  
131

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
 \*\* REFERENCED ON IT \*\*

\*\*\*SHIP WITH S/O 301614\*\*\*

\*\*DO NOT CHARGE ENERGY SURCHARGE - BILLED  
 ON S/O 301614  
 TOTAL 1 SKID G.W. 381 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
 CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

**B I L L O F**  
Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 9057389033

Ship To: ( 1 )  
DART AEROSPACE

**L A D I N G**  
No: PEC 698512  
Ship Date 25Feb11 at 11:30 From PFW  
Probill T151590  
Via APEXMOTOR-PEC  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp TRINA VINCE (905-532-1365)  
Sold To: ( 20115 )  
DART AEROSPACE

===== **B I L L O F L A D I N G** =====  
\*\*\*PLEASE NOTE A \$15.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER AS OF DEC 8/08.\*\*\*

Page: 2 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223834 RT0001

DATE

Aleris Aluminum Koblenz GmbH  
Carl-Spaeter Str.10 56070 Koblenz/Deutschland  
AMENDED TEST CERT



**Aleris**  
Europe

INSPECTION CERTIFICATE (EN 10204/B.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0479527

SERIAL-NO.:

PAGE: 1 / 3

PURCHASER:

ALERIS ALUMINUM

US SALES INC.

475 N.MARTINGALE RD/S.400

SCHAUMBURG, IL 60173

CONSIGNEE:

CAL WEST EXPRESS CO. LTD

17923 S. SANTA FE AVE.

USA - RANCHO DOMINGUEZ, CA 90221

ORDER NO. PURCHASER:

US-AIRCR.DEPOT-PROG/

PART NO. PURCHASER:

ORDER NO. MANUFACTURER/ITEM: 81495 / 01

PRODUCT:

COIL

SPECIFICATION:

AMS4037+B209+Q0250/4

ALLOY/TEMPER:

BARE 2024-T3

DIMENSION:

0.063 x 48.00 x 0.00 INS

PCS.

GROSS KG

NET KG

PACK-NO

LOT-NO

3

4.795

121068

WT-QS 07/08

Aleris Aluminum Koblenz GmbH  
 Carl-Spreer Str. 10 56070 Koblenz/Deutschland  
 AMENDED TEST CERT



**Aleris**  
 Europe

**INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE**

NO.: 0479527

LOT: 121068

PAGE: 2 / 3

**RESULTS:**

**Mechanical properties:**

Pl. No.	Spat. No.	Y.S.	U.T.S.	El.
		KSI	KSI	%
Min. LT:		42,0	63,0	15,0
Max. LT:				
1 A		45,0	66,7	20,0
2 A		45,0	66,0	18,3
3 A		45,4	66,7	18,7
4 A		45,0	66,9	20,5
5 A		45,3	66,1	17,4
6 A		45,7	65,8	19,8

Chemical composition: in %, remainder Al

Cast No.: 4-05-3130

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B
0,041	0,091	4,514	0,628	1,442	0,002	0,064	0,0256	0,0006
Zr	Pb	Ni	Sn	Be	Na	Li	V	H2 (*)
0,0014	0,0023	0,0051	0,0048	0,0000	0,0000	0,0000	0,0114	0,06
Al	Tl	Ti+Zr	Cu/Mg	Fe/Si				
		0,027	3,131					

(\*) = H2 in ml/100 g AL

**Other tests:**

Dimensional check: OK  
 Surface control: OK

**Bend test:**

L-direction

LT-direction OK

ST-direction

Aleris Aluminum Koblenz GmbH  
Carl-Spaeter Str. 10 56070 Koblenz/Deutschland  
AMENDED TEST CERT



**Aleris**  
Europe

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0479527

PAGE: 3 / 3

Remarks:

MATERIAL ALSO FULFILLS THE REQUIREMENTS OF ASTM B209-07, EXCEPT MARKINGS.

1. SUPPLEMENT: ASTM B209-07 ADDED

CERTIFIED THAT THE WHOLE OF THE SUPPLIES DETAILED HEREON HAVE BEEN MANUFACTURED, INSPECTED, TESTED AND UNLESS OTHERWISE STATED CONFORM IN ALL RESPECTS TO THE RELEVANT SPECIFICATIONS, DRAWINGS AND CONTRACT/ORDER. WE CONFIRM, THAT QUALITY MANAGEMENT SYSTEM OF ALERIS ALUMINUM KOBLENZ GMBH IS IN ACCORDANCE WITH DIN EN ISO 9001 AND EN 9100 IN THE RELEVANT VALID VERSION AND CERTIFIED BY AN ACCREDITED 3RD PARTY.

MADE IN THE FEDERAL REPUBLIC OF GERMANY

Enclosures:

WT-10-QS 07/08

Koblenz, the 30.07.10 SW

*P. Gardiner*  
Patrick Gardiner  
Quality assurance

Aleris Aluminum  
Koblenz GmbH

FORM: 1006

WORKORDER: 2401131779

**COPPER AND BRASS SALES**

MATERIAL TYPE

ALUMINIUM ALLOYS

PRODUCT DESIGNATION

2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7

**"WARNING"**

SMALL CHIPS,FINE TURNINGS AND DUST MAY IGNITE READILY.EXPLOSION POTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR,CHIPS,FINES,DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE.KEEP AWAY FROM IGNITION SOURCE.USE EXPLOSION-PROOF VENTILATION.KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER.INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD),A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS.BERYLLIUM IS A CANCER HAZARD;OVER TIME CBD AND CANCER CAN BE FATAL,TARGET ORGAN IS PRIMARILY THE LUNG.INHALING LARGE AMOUNTS OF COPPER,MAGNESIUM OXIDE,MANGANESE OXIDE,AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS.CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN;AND SKIN,TEETH,AND HAIR DISCOLORATION.CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES,NOSE,AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS.INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER.NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF IN THE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN.(CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT.WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.

READ THE ALUMINIUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

\* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

\* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

\* Aluminum, in solid form and as contained in finished products presents no special health risk.

\* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone 248-233-5600, or visit our web site @ [www.copperandbrass.com](http://www.copperandbrass.com).

ALUMINUM LABEL NO. 300-1056

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